

**New Hampshire Department of Transportation
Bureau of Materials & Research**

Qualified Products List – Qualification Criteria

Section 645 – Erosion Control

J. ITEM 645.41 – TEMPORARY SLOPE STABILIZATION TYPE A

Specification

Temporary Slope Stabilization Type A shall be a temporary, photodegradable or biodegradable "Rolled Erosion Control Product" (RECP) specified for protection of slopes of 3:1 or flatter. This material may also be specified for temporary protection of channels expected to experience flow-induced shear of 1.5 lbs/ft² or less. These products shall maintain their functional integrity for a minimum of 12 months and then degrade.

Required Submissions

QPL Product Submittal Form

The submitted form must be completely filled out and must be the current version of the form. The QPL Product Submittal Form can be obtained at www.nh.gov/dot/research.

Product Literature

Submit any product literature that is relevant to evaluation of the product

NTPEP Test Results

As part of the evaluation, the Department will obtain and review test results from the AASHTO National Transportation Product Evaluation Program (NTPEP). Visit www.ntpep.org for information about submitting products to this program.

Product Sample

Submit a small product sample. The sample shall be 1 sf or less and shall be packaged in clear plastic. The sample shall be labeled with the manufacturer's name and the product name.

Qualification Criteria

NTPEP requires that these products be requalified every 3 years. Expiration of NTPEP test results may result in disqualification of the product.

Products will not be qualified for performance levels that exceed those given in the published product literature.

Product Description

The product shall consist of processed degradable natural or polymer fibers bound together by a single, degradable synthetic or natural fiber netting to form a continuous matrix; or an open weave textile composed of processed degradable natural or polymer yarns or twines woven into a continuous matrix.

Duration of functionality

The product shall retain the specified level of performance for 12 months after which time it will degrade.

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Required Performance

- C Factor
 ≤ 0.15 @ 3:1 slope.
- Minimum Tensile Strength
 Minimum Average Roll Value, Machine Direction
 50 lbs/ft
- Minimum Shear Stress
 1.50 lbs/ ft²

Approved by:


Bureau of Highway Design Administrator

The Department continues to evaluate its qualification criteria as well as products that have been qualified against them, and reserves the right to revise the criteria and/or withdraw product qualification at any time for any reason without notice.